Dhruv Gandhi

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Available May 2025 | Boston, MA

EDUCATION

Northeastern University   Boston, MA
Khoury College of Computer Science   *Expected Graduation: May 2025*
Candidate for Bachelor of Science in Data Science   Khoury GPA: 3.82/4.00
Candidate for Minor in Business Analytics
Candidate for Minor in Mathematics
Key Courses: Machine Learning I & II, Algorithms and Data, Engineering LLM Systems
Natural Language Processing, Object-Oriented Design, Database Design

TECHNICAL SKILLS

Languages: Java, Python, C++, SQL, JavaScript, HTML/CSS, R, Racket, bash
Frameworks: React, Node.js, Flask
Tools: Snowflake, Databricks, IIS, Amazon Web Services, Tableau, Excel, Git, Docker

EXPERIENCE

Data Science Programmer (Internship)   Jul 2024 - Dec 2024
Tufts Human Nutrition Research Center on Aging   *Boston, MA*
- Developed and implemented data quality control systems using Python and SQL to automatically identify and flag outliers/missing values in research data, ensuring enhancing data accuracy for clinical studies.
- Enhanced cross-platform data integration and streamlined back-end operations by hosting a Flask server to relay information from a Linux back-end environment, improving the efficiency of data processing between production software packages.
- Collaborated with biostatisticians to translate complex research requirements into efficient programming solutions, supporting advanced statistical analysis in the study of aging.

Data Analyst (Internship)   Jun 2023 - Dec 2023
Sanofi   *Boston, MA*
- Utilized Python, SQL, and Apache Databricks for aggregating, segmenting, and clustering healthcare provider data (using the Latent Class Analysis algorithm). This identified their preferred interaction methods with pharmaceutical companies, enabling the marketing team to optimize promotional mix models.
- Employed SQL in a Snowflake environment to unify and cross-reference drug product information from various EU countries into a consolidated master record. This initiative improved the accuracy of insights generated for measuring product performance and market competition.
- Played a pivotal role in automating the weekly market data pipeline using R and SQL. Responsibilities included transforming raw data into structured format, conducting data quality checks, and integrating the data with BI dashboards, substantially improving business consumption ease.

Academic Tutor in CS/Test Prep   Jul–Aug (2021 & 2022)
CCB School of Princeton   *Princeton, NJ*
- Instructed high school students in the use and application of Java, HTML/CSS, and Python, following Coursera curriculum.
- Engaged with students possessing limited technical experience, providing tailored instruction to enhance their understanding
- Provided one-on-one tutoring for AWS Cloud Technical Essentials and Python Data Analysis certification prep.

SELECT PROJECTS

SpotAI Playlist Generator | *Python, Spotify, openAI, Hastebin*   Apr 2023 – May 2023
- Utilized OpenAI's text-davinci-03 model to recommend songs from an inputted playlist
- Applied Spotipy API to create a new Spotify playlist with documentation on Hastebin linked in description

footballBot Discord Bot | *Python (discord.py, matplotlib, beautifulSoup), Git, AWS EC2*   Jan 2023 – Mar 2023
- Designed and developed a Discord bot that retrieves football player's stats from NFL.com
- Implemented features to allow users to get stats based on inputted arguments such as names, weeks, and years
- Created visualizations of the stats to help users easily digest content and understand trends
- Hosted on Amazon Web Services EC2 to ensure 24/7 accessibility